



RECEIVED MP-1646

JUL 31 2001

TECH CENTER 1600/2900

PATENT
Attorney Docket No. 203676

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Koszinowski et al.

Application No. 09/463,890

Filed: January 31, 2000

Group Art Unit: 1646

Examiner: G. Leffers, Jr.

For: RECOMBINANT VECTOR
CONTAINING INFECTIOUS, VIRAL
GENOME SEQUENCES GREATER
THAN 100 KB, METHOD FOR
PRODUCING SAME AND USE FOR
THE MUTAGENESIS OF THE
VIRAL SEQUENCES

#9B
Zita
8/2/01

SUBMISSION OF SEQUENCE LISTING

Commissioner for Patents
Washington, D.C. 20231

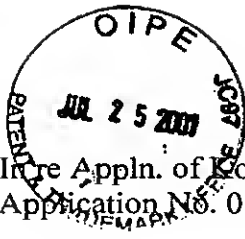
Dear Sir:

In accordance with the requirements of 37 CFR 1.821-1.825 and in response to the Notice to Comply With Requirements for Patent Applications Containing Nucleotide Sequence And/Or Amino Acid Sequence Disclosures dated June 21, 2001, a sequence listing is being submitted herewith. The sequence listing is in the form of a paper copy and a computer-readable copy on a computer diskette. The undersigned hereby verifies that the content of the paper copy and the computer-readable copy, as concurrently being submitted, are the same as each other and as the sequences set forth in Fig. 23 of the application. Applicants also request that the sequence listing be made part of the patent application. Fig. 23 will be amended to recite the sequence identification numbers when applicants respond to the first Office Action. Given that the sequence listing was due on Saturday, July 21, 2001, today's submission of the sequence listing is believed to be timely.

Respectfully submitted,

Carol Larcher, Reg. No. 35,243
One of the Attorneys for Applicants
LEYDIG, VOIT & MAYER, LTD.
Two Prudential Plaza, Suite 4900
180 North Stetson
Chicago, Illinois 60601-6780
(312) 616-5600 (telephone)
(312) 616-5700 (facsimile)

Date: July 23, 2001



In re Appln. of Koszinowski et al.
Application No. 09/463,890

CERTIFICATE OF MAILING

I hereby certify that this SUBMISSION OF SEQUENCE LISTING (along with any documents referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231.

Date: July 23, 2001

Ellen K. Maul



SEQUENCE LISTING

<110> Koszinowski, Ulrich H.
Messerle, Martin
Brune, Wolfram

<120> Recombinant Vector Containing Infectious, Viral Genome Sequences
Greater Than 100 KB, Method for Producing Same And Use For The Mutagenesis
Of The Viral Sequences

<130> 203676

<140> US 09/463,890

<141> 2000-04-28

<160> 4

<170> PatentIn version 3.1

<210> 1

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4)..(4)

<223> "n" represents a, g, c or t

<220>

<221> misc_feature

<222> (6)..(6)

<223> "n" represents a, g, c or t

<400> 1

gacntnctcg agccggcaaa gccctagagg

30

<210> 2

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2

ggagatcccg aaacggccga gtcctccag

30

<210> 3

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (9)..(9)

<223> "n" represents a, g, c or t

<220>

<221> misc_feature

<222> (24)..(24)

<223> "n" represents a, g, c or t

<400> 3

ctgctgtgng acgtggacca ccgngcggtg

30

<210> 4

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 4

gttgccgcc accaggtgca gcgtgtcgtc

30

*Bio
chem*

NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES

Applicant must file the items indicated below within the time period set the Office action to which the Notice is attached to avoid abandonment under 35 U.S.C. § 133 (extensions of time may be obtained under the provisions of 37 CFR 1.136(a)).

The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 C.F.R. 1.821 - 1.825 for the following reason(s):

- ☒ 1. This application clearly fails to comply with the requirements of 37 C.F.R. 1.821-1.825. Applicant's attention is directed to the final rulemaking notice published at 55 FR 18230 (May 1, 1990), and 1114 OG 29 (May 15, 1990). If the effective filing date is on or after July 1, 1998, see the final rulemaking notice published at 63 FR 29620 (June 1, 1998) and 1211 OG 82 (June 23, 1998).
- ☒ 2. This application does not contain, as a separate part of the disclosure on paper copy, a "Sequence Listing" as required by 37 C.F.R. 1.821(c).
- ☒ 3. A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 C.F.R. 1.821(e).
- ☐ 4. A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 C.F.R. 1.822 and/or 1.823, as indicated on the attached copy of the marked -up "Raw Sequence Listing."
- ☐ 5. The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A Substitute computer readable form must be submitted as required by 37 C.F.R. 1.825(d).
- ☐ 6. The paper copy of the "Sequence Listing" is not the same as the computer readable form of the "Sequence Listing" as required by 37 C.F.R. 1.821(e).
- ☐ 7. Other: _____

Applicant Must Provide:

- ☒ An initial or substitute computer readable form (CRF) copy of the "Sequence Listing".
- ☒ An initial or substitute paper copy of the "Sequence Listing", as well as an amendment directing its entry into the specification.
- ☒ A statement that the content of the paper and computer readable copies are the same and, where applicable, include no new matter, as required by 37 C.F.R. 1.821(e) or 1.821(f) or 1.821(g) or 1.825(b) or 1.825(d).

For questions regarding compliance to these requirements, please contact:

For Rules Interpretation, call (703) 308-4216

For CRF Submission Help, call (703) 308-4212

PatentIn Software Program Support

Technical Assistance.....703-287-0200

To Purchase PatentIn Software.....703-306-2600

PLEASE RETURN A COPY OF THIS NOTICE WITH YOUR REPLY